

Date: Sat, 9 Oct 93 12:08:25 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1201
To: Info-Hams

Info-Hams Digest Sat, 9 Oct 93 Volume 93 : Issue 1201

Today's Topics:

 Best way to learn code?
 Daily Solar Geophysical Data Broadcast for 08 October
 Death of Ham Radio: 2m HT in Penney's Christmas Catalog
 Motorola ad in QST
 Motorola ad in QST?
 Newsline #842
 RACES Bulletin #295
 Silly boy!
 Standards in 12V power cords.

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 09 Oct 93 11:08:27 EDT
From: caen!malgudi.oar.net!wariat.org!mystis!dan@uunet.uu.net
Subject: Best way to learn code?
To: info-hams@ucsd.edu

rem@tc.fluke.COM (Randy Mather) writes:

[Some deleted to save bandwidth]

>

> I have now switched to Morse Academy to teach students the code. There
> are definitely a number of features in Super Morse I like and don't see
> in Morse Academy but I think the issue of proper spacing is very important
> when learning the code. It might be an advantage when trying to learn code
> that is sent unevenly.

>
>
> Randy, AJ7B

I too have tried both, and that is what I use, both. I am working on Morse Academy to DEVELOP my code ability and plan to use Super Morse to practice and expand it.

Dan Pickersgill N8PKV |<=====| Q. How many computer programmers does
N8PKV@mystis.wariat.org |From All| it take to change a light bulb?
dan@amcomp.wariat.org | of Us | A. None, programmers don't change light
dan@mystis.wariat.org |<=====| bulbs that's a hardware problem!

Date: 9 Oct 93 16:02:53 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 08 October
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 281, 10/08/93
10.7 FLUX=113.4 90-AVG=095 SSN=101 BKI=1144 4213 BAI=014
BGND-XRAY=B3.8 FLU1=1.0E+06 FLU10=1.2E+04 PKI=1244 5222 PAI=016
BOU-DEV=006,009,048,042,040,016,009,021 DEV-AVG=023 NT SWF=00:000
XRAY-MAX= C5.5 @ 1421UT XRAY-MIN= B2.9 @ 0653UT XRAY-AVG= B5.9
NEUTN-MAX= +002% @ 0555UT NEUTN-MIN= -002% @ 2325UT NEUTN-AVG= -0.2%
PCA-MAX= +0.1DB @ 1625UT PCA-MIN= -0.4DB @ 1955UT PCA-AVG= -0.0DB
BOUTF-MAX=55363NT @ 2200UT BOUTF-MIN=55333NT @ 1711UT BOUTF-AVG=55349NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+065,+000,+000
GOES6-MAX=P:+114NT@ 1854UT GOES6-MIN=N:-084NT@ 0741UT G6-AVG=+085,+018,-040
FLUXFCST=STD:112,110,105;SESC:112,110,105 BAI/PAI-FCST=020,040,025/030,050,025
KFCST=3444 5443 4556 6544 27DAY-AP=005,010 27DAY-KP=2112 1112 1021 2334
WARNINGS=*MAJFLR;*SWF;*GSTRM;*AURMIDWRN;*AURLWWCH
ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 07 OCT 93 is not available.
The Full Kp Indices for 07 OCT 93 are: 2- 1+ 1- 0o 1- 2- 2- 1o

Date: 9 Oct 93 18:22:04 GMT
From: news-mail-gateway@ucsd.edu
Subject: Death of Ham Radio: 2m HT in Penney's Christmas Catalog
To: info-hams@ucsd.edu

>For those who felt that Radio Shack's introduction of a 2m HT two years ago
>meant the "imminent death of Ham Radio," those people should stay away from
>the 1993 JC Penney Christmas Catalog.
>There, on the bottom right hand corner of page 585 is a Midland 73-005 2m HT
>(\$299). Yes, it mentions you need a license. No, I doubt they'll ask if you
>have a ticket if you order one.

whoa! Cool! (i guess N00KQ didn't know Sears was selling 2m Yaesu's about
what? 15-20 years ago in their catalogs? didn't do all that well...) Then
again, i did turn in a suggestion to Heathkit in 1973/74 that said they should
offer a kit version of a DEC PDP-11/10 or 11/20...and see where that's got
them today..

What's missing is a reference to say something like:

You need an Amateur Radio License to legally operate this equipment.
To find out how to obtain an Amateur Radio license, call (800)
326-3926 for a free information kit.

maybe i should suggest this to Wayne Green....sort of a litmus test to see if
W2NSD is really interested in amateur radio any longer or if the mags are on
autopilot. Or Don Stoner ... surprised NARA didn't have their thumb on the
pulse for this one.

I wonder if the radio is any good? Midland didn't exactly have a great
reputation the last time around due to their position in the CB business.
Wonder how well they'll sell with Radio Shack sitting out there at \$275 or
less?

And I wouldn't be surprised to find it would be possible for Penney's to ask
about amateur radio licensing when ordering. It was Sears that could never
figure out that pants had to have a waist size AND an inseam.

Maybe the ARRL needs to approach Penney's NOW and offer to help if possible.
I'll have to go bug the manager of the store - I'm going to want his customer
service department outfitted with the right information if he's going to be
selling amateur radio products.

73, bill wb9ivr (who's buying an \$20 biz card spot in the local high school
marching band jamboree program....just to promote amateur radio. got the
prototypes in the os/2 computer at home - need to print them out and deliver
them to the layout guy monday...something like 5,000 copies are going to be
printed.....)

Date: Fri, 8 Oct 1993 22:49:19 EST

From: paperboy.ids.net!anomaly.sbs.com!kd1nr!system@uunet.uu.net
Subject: Motorola ad in QST
To: info-hams@ucsd.edu

burke_br@adcae1.comm.mot.com (Bruce Burke Sp App) writes:

> }Yet another case of innovation through litigation, folks.
> }
> }MD
> }--
> }-- Michael P. Deignan
> }-- Population Studies & Training Center
> }-- Brown University, Box 1916, Providence, RI 02912
> }-- (401) 863-2668
>
>
> Every manual contains a page indicating the software is copyrighted,
> patented, or whatever. So, the buyer is warned. BTW - it is also imbedded in
> the code.

You're confusing copyright law buddy.... I think Mike has more than
enough experience in the matter. As a matter of fact, so do I. I work
for a software company! :)

Tony

```
-----  
      o      o Tony Pelliccio, KD1NR, Control Op 441.750+, ARRL VE  
        \    / system @ hades.cdp.org                      Soon W5YI VE  
         \__/  
      (oo) Cow humor. Sort of like the Far Side.  
    /|  ___ \/  
  / | {MTV}|| MooTV - Rockin' Bumpin' and Funkin' into the 90's  
* ||{___}||  
  ||-----|| (And people thought my last .sig was long, ha!)  
  ^^      ^^
```

Date: Sat, 09 Oct 93 01:24:10 GMT
From: swrinde!cs.utexas.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!
cis.ohio-state.edu!mstar!n8emr!gws@network.ucsd.edu
Subject: Motorola ad in QST?
To: info-hams@ucsd.edu

>
>The firmware is all copyrighted, tampering with it is a crime!

Oh boy.. I must be in big trouble. I have been writing notes inside my copyrighted manuals. Wait it that the copyright people at my door??

If its just a key sequence to turn somthing on and off then I dont see any tampering. If the firmware was included with the radio and I make use of it where did the law get broken. If wish to totally write my own firmware for the radio I can do that makeing use of whatever feature the radio has.

Now if you use these mods to access service your not paying for then let the police cuff you..

--

Gary W. Sanders gws@n8emr.cmhnet.org, 72277,1325
N8EMR @ N8JYV (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS 614-895-2553 (1200/2400/V.32/PEP) Voice: 614-895-2552 (eves/weekends)

Date: Wed, 6 Oct 1993 20:37:39 GMT
From: destroyer!nntp.cs.ubc.ca!alberta!fantom!crs-sys!ersys!adec23!ve6mgs!
usenet@uunet.uu.net
Subject: Newsline #842
To: info-hams@ucsd.edu

The Amateur Radio Newsline is forwarded here through the permission of Bill Pasternak, WA6ITF, the producer of Newsline. Replies about editorial content or input for Newsline should be sent to either newsline@mcimail.com or b.pasternak@genie.geis.com, or by Voice/Fax to 805-296-7180. The online edition is transcribed from the QST transmission by Dale Carey.

```
*****
*
*      * * ***** *      * ***** *      ***** *      * *****
*      ** * *      *      * *      *      *      ** * *
*      * * * ***      * ** * *** *      *      * * * ***
*      * ** *      * ** *      * *      *      * ** *
*      *      ***** * * ***** ***** *      * *****
*
*
*      *****      *      ***** ***** ***
*      *      * * * *      *      *      *
*      ***** ***** *      *      *      *
*      * * *      * *      *      *      *
*      *      *      * ***** ***** ***
*
```

The following is late news about Amateur Radio for Radio Amateurs as prepared from NEWSLINE RADIO scripts by the staff of the AMATEUR RADIO NEWSLINE, INC. -- formerly the WESTLINK RADIO NETWORK. The electronic version of newslines is posted on this CBBS twice monthly. For current information updates, please call (213) 462-0008, (805) 296-2407, (407) 259-4479, (708) 289-0423, (513) 275-9991, or (718) 353-2801. To provide stories and information please call (805) 296-7180. This line answers automatically and will accept up to 30 minutes of material.

Check with your local amateur radio club to see if NEWSLINE can be heard weekly on the air in your area.

Articles may be reproduced if printed in their entirety and credit is given to AMATEUR RADIO NEWSLINE as being the source.

For further information about the AMATEUR RADIO NEWSLINE, please write to us with an SASE at P.O. Box 463, Pasadena, CA 91102.

Thank You
NEWSLINE

Some of the hams of NEWSLINE RADIO...

WA6ITF WB6MQV WB6FDF K6DUE W6RCL N6AHU N6AWE N6TCQ K6PGX N6PNY
KU8R N8DTN W9JUV KC9RP K9XI KB5KCH KC5UD KC0HF G8AUU WD0AKO DJ0QW
and many others in the United States and around the globe!!!

[842]

QCWA vs. ARRL

The Quarter Century Wireless Association may have responded to ARRL charges that it does not meet the qualifications to be named a club and military recreation call sign administrator. In its opposition filing the League had claimed that QCWA did not hold a 501C3 Internal Revenue Service rating, that the QCWA was organized only for pleasure and recreation and that QCWA did not have the requisite number of employees to administer the program.

But in a letter to Fred Maia, W5YI, the Quarter Century Wireless Association Vice President, Lew Mc Coy, W1ICP, takes issues with the League's position. Mc Coy's letter states that

the QCWA does hold a 501C3 and has held this rating for over fifteen years. He also indicates that the primary purpose of the QCWA is actually that of furthering the state of the Amateur service. He notes that the Association awards many scholarships every year and also brings many new hams into the service through its various chapters. Mc Coy then takes on the ARRL directly over the allegation that it does not have the staff needed to administer call sign assignment. Mc Coy says -- and we quote -- the QCWA does have more than one employee, but, for the record, is the ARRL hierarchy so ignorant to believe that the QCWA could not hire more people if needed.

It must be noted that this letter which appears to be a personal communication between Mc Coy and Maia that Maia chose to publish in his W5YI Report Newsletter. Therefore, its not certain if this is Lew Mc Coy talking as Lew Mc Coy or as the official voice of the QCWA.

If Mc Coy is talking officially, then it would appear that the Quarter Century Wireless Association is readying itself for a confrontation with the American Radio Relay League. Two other applicants -- the National Amateur Radio Association and the W5YI VEC have already indicated that they are in this fight to stay.

LAMBDA vs. GREEN

Lambda Amateur Radio Club president Jim Kelly, KK3K says that 73 Magazine publisher Wayne Green, W2NSD is -- and we quote -- "incapable of distinguishing between just and proper legal activities and those that are frivolous" -- end quote.

Kelly's statement follows a series of scathing editorials about him and Lambda by W2NSD after the group filed its discrimination complaint against the American Radio Relay League.

But Kelly is fighting back. In a press release, KK3K says that Wayne Green's most recently published reference to him -- and by extension to all Lambda members as being scum for having filed the discrimination complaint is -- and again we quote -- "indicative of the depths to which this unprincipled and unbalanced individual will go to gratify his ego" -- end quote.

The Lambda Amateur Radio Club is made up primarily of gays and lesbians. Kelly claims that the group filed its action to stop what Lambda views as discriminatory practices aimed at the group by the League. The dispute revolves around a decision by the ARRL to turn away a classified ad that Lambda felt should be published in QST Magazine. Soon after Lambda announced its legal action Green ordered the Lambda advertisement also be dropped from 73 Magazine. He also began taking pot shots at the group.

W2NSD is demanding that Lambda drop its legal action against

the American Radio Relay League. He also says that the group must repay the ARRL all of the legal costs it has incurred before he will ever again permit a Lambda ad to run in 73.

But Kelly says that Lambda has no intention of backing away. He notes that the complaint remains pending before the Connecticut Commission on Human Rights and Opportunities. He says that he is confident that Lambda will achieve what it believes will be a just outcome, -- and again we quote -- "not withstanding the irrational ranting and raving of Wayne Green."

Nothing yet from Green camp or his 73 staff on the response by Kelly. Its also unknown if Lambda plans to extend its legal action to include 73 Magazine for also dropping the group's classified ad.

NO DISCRIMINATION

The Federal Communications Commission has dismissed a complaint of racial bias in employment against WEAR-TV of Pensacola, Florida and renewed the ABC affiliate's license through January 1997.

The National Association for the Advancement of Colored People had filed the complaint. The stations president and general manager provided the FCC with documentation that the station has an equal employment opportunity program that meets or surpasses federal guidelines.

FCC officials noted that the Pensacola area's labor force is 14 percent black and cited company records showing the station's employment was 10 percent black in 1989, 9 percent in 1990 and 10 percent in 1991. Blacks held 8 percent of upper-level jobs in 1989, fractionally higher than the next two years.

FCC PREEMPTS STATES ON HAM GEAR IN CARS

Two of the three major ham radio newsletters have finally gotten around to letting you know what Newsline reported back on September the third. Front page headlines on the latest issues of both the ARRL Letter and the W5YI Report are heralding the results of an League initiative that has lead the FCC into preempting state and local laws that limit the use of ham gear in cars and other vehicles.

For those of you who may have missed the original report here is a quick review of what has taken place. In essence, the FCC has told state and local government agencies that they cannot tell hams not to operate mobile or portable rigs because just because these radios have the potential of listening to frequencies outside of the amateur bands.

The laws attacked in FCC Private Radio Docket 91-36 were those that some states and municipalities have passed to prohibit the possession of transceivers if they are capable of receiving on certain frequencies other than the ones used by hams. When it filed for the declaratory ruling the League told the FCC just about every transceiver on the market allows for incidental reception of frequencies adjacent to amateur bands. The League also said that amateurs have special needs for out-of-band reception, a fact the marketplace long has recognized by offering transceivers to accommodate those needs.

The FCC agreed. It says that state and local laws that make possession of amateur transceivers in vehicles or elsewhere illegal merely because they can receive certain frequencies is defiantly preempted by federal law. The Commission says that such local and state laws are inconsistent with the federal laws that promote and facilitate the Amateur Radio service and are therefore illegal in themselves.

Several law enforcement lobby groups have been vocal in their opposition to any member of the general public, including radio amateurs having the ability to listen in on their transmissions, but none are expected to challenge this declaratory ruling.

ABDUCTED HAM FOLLOW UP

Still no word on the whereabouts of thirteen year old Nathan Taylor, WZ1W. Nathan is the missing Gardner, Massachusetts teenager we reported on last week. His family says that the youngster was coerced into running off to Texas by a man with a known criminal record that he met on a computer bulletin board system. Nathan has not been seen since August 27th when he ran off and boarded a Texas bound bus, but his name has appeared in the log-ons of various computer bulletin boards. It is believed that he may be in the Memphis, Tennessee area, still trying to get to Houston or Dallas, Texas. His mother Phyllis Taylor says that she is ready to welcome Nathan back home.

"The first thing I'm going to do is give him a great big hug. That's the first thing and tell him that I love him very much and my husband does too. And we're glad to have him home. And then I'm going to say we're going to discuss why? We had no indication that he was going to do this. Any one that wishes to get in touch with us may call collect area code (508) 630-2896. I am trying to work to keep my mind busy. I'm home, I have an answering machine they can leave their name there. Or I'm home after 2:30 pm EST." Phyllis Taylor.

Phyllis Taylor says that she is very grateful for the help that was offered her family by the Amateur Radio community. With almost 700,000 hams looking for Nathan, the Taylors hope that it

won't be long before they get a call telling them that their son is on his way home.

If you have any information on the whereabouts of Nathan Taylor, WZ1W, or if you spot him, please call the Taylor family at area code (508) 630-2896. Phyllis Taylor adds that you can call collect.

MARATHON RUNNER

Icom America has teamed with Marathon runner Fred Doob, AA8FQ in a ham radio fund raising effort to benefit the Sloan Kettering Cancer Center in New York. Doob plans operate two meters as he runs in the November 14th New York City Marathon and for each contact AA8FQ makes, Icom will donate five dollars to Sloan Kettering.

According to Icom, Doob will be available for QSO's throughout the 26 mile race on seven of the big apple's most popular two meter repeaters and three simplex channels. Repeater frequencies include 146.88 in Staten Island, 146.73 and 147.36 in Manhattan and the simplex channels of 146.52, 146.58 and 147.51.

Fred Doob says that he has a back-up to log all the QSO's made and a special commemorative QSL card is being created to mark the event. Doob adds that he will be easy to spot during the race. Just watch for the only runner with a hand-held on his waist and an Icom cap on his head.

NEW MICROSATS

Amateur Radio has some new microsats in orbit. Itamsat, Posat and Kitsat-B were launched on September 25th from the European Space Agency facility in Korou, French Guiana. The birds were carried aloft on an ESA Ariane booster. Also placed into orbit by the Ariane launcher were the Spot 3, Stella, Healthsat and Eyesat A commercial and scientific birds. All six were placed into a circular orbit at 800 kilometers elevation with an inclination of 98.7 degrees. The amateur radio satellites are reported to be operating well. The launch of Itamsat marks the entry of Italy into the ham radio satellite space race.

EME TEST

All appears ready for some upcoming EME tests by The Toronto VHF Society. Using the call sign VE3ONT the Canadian hams will use the 150 foot diameter radio telescope at Algonquin Provincial Park during this year's ARRL International EME

Competition. VE30NT will be active the full weekend of each contest period. The dates are October 9th and 10th and November 6 and 7. As users of a non-amateur antenna VE30NT says it will not be in competition with other stations. Their intention is to provide an initial EME contact for as many stations as possible. VE30NT will also maintain High Frequency liaison on 14.345 during daylight hours and on 3.818 at night.

AMSAT-SA ELECTION

On the international scene, word that Hans van de Groenendaal ZS6AKV has been re-elected as the President of Southern Africa AMSAT at the society's Annual general meeting held in Johannesburg on September 11. The meeting was held after the 14th annual Space Communications Conference. The latter event was attended by 60 delegates.

DX

In DX, ZS9A says that a tentative date of February 28, 1994 has been announced for Namibia's takeover of both Walvis Bay and the Penguin Islands. The announcement pointed out that many details remain to be worked out and that this is only a target date.

CABLE PRANK

Most of you are well aware that those cable TV broadcasts of city council meetings can get pretty boring. But officials in Beloit, Wisconsin, don't see anything funny in a student's effort to liven up the proceedings.

The director of the public access channel says a college student working on the broadcast typed some editorial comments on the screen during a televised council proceeding. When a man complained to the assemblage about squirrels and chipmunks to the council, those tuned in saw a font below the picture that said -- quote -- "This is weird."

Officials say the student typed other messages but declined to say what they were. The cable company says that the student font operator has since been fired. One council member calls the cable incident insulting, but viewers in the area seemed to disagree.

* * * Newsline Copyright 1993 all rights are reserved. * * *

Date: 9 Oct 93 18:28:34 GMT
From: news-mail-gateway@ucsd.edu
Subject: RACES Bulletin #295
To: info-hams@ucsd.edu

Bid : \$RACESBUL.295

TO: ALL EMERGENCY MANAGEMENT AGENCIES VIA AMATEUR RADIO
INFO: ALL RACES OPERATORS IN CA (ALLCA: OFFICIAL)
ALL AMATEURS U.S. (@ USA: INFORMATION)
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (KH6GBX @ WA6NWE.CA)
2800 Meadowview Rd., Sacramento, CA 95832 (916)262-1600
Landline BBS open to all: (916) 262-1657

RACESBUL.295 DATE: Oct. 11, 1993
SUBJECT: MISC - Responders and their vehicles - Part 2/4

(2) What is your role? This may well determine your type of vehicle and how it is equipped. Some personnel need basically to transport their equipment, tools, or supplies to a specific site, unload, setup, and go to work. Other responders may be overhead or supervisory personnel. Their transportation needs are basically the ability to go anywhere at any time. It may be important to be able to transport other emergency workers from one place to another during the incident.

Some communications personnel may choose to fulfill the need for a completely self-contained mobile communications station. In other words, they go to a site and set up a communications relay or terminal. They respond prepared to be totally self-sufficient for several days.

Overhead personnel may need multiple mobile radios to communicate with several services other than the one to which they may be attached. Right or wrong, officials of other agencies may use you and your vehicle at any time or place and expect that you have the capability to communicate with their service. It never hurts to have every communications capability, particularly with and for your local agencies and organizations.

(3) Climate and terrain may dictate what is appropriate for a response vehicle. Don't try to take an inappropriate vehicle where a 4-wheel drive or truck is called for.

(Continued in Part 3 of 4 parts)

EOM

RACES Bulletins are archived on the Internet at ucsd.edu/hamradio/races

Date: Sat, 9 Oct 1993 16:54:29 GMT
From: sdd.hp.com!saimiri.primate.wisc.edu!caen!usenet.coe.montana.edu!
netnews.nwnet.net!news.clark.edu!spool.mu.edu!wupost!csus.edu!netcom.com!
steve@network.ucsd.edu
Subject: Standards in 12V power cords.
To: info-hams@ucsd.edu

In article <152893@netnews.upenn.edu>, yee@mipg.upenn.edu (Conway Yee) writes:

> It has been awhile since this thread has passed around and the last time,
> I don't think anyone answered this question to my satisfaction.
>
> The ARRL recommends the Molex 1545-series connector (last discussed
> QST 8/93 p. 50)
>
> My question is why? While fine for HT's, the current ratings on the Molex
> aren't quite up to the needs of a 100W class HF transceiver. The article
> in QST didn't explain the design decisions which caused the ARRL to decide
> upon upon the Molex connectors. What were the disadvantages of other common
> connectors (e.g. Jones) and what were the advantages of the Molex?
>
> --
> 411 Blockley Hall | Conway Yee, N2JWQ

While not on the engineering staff for ARRL perhaps I can shed some light on why this very same connector was chosen locally years before ARRL FINALLY chose SOMETHING. 1) It is readily available...at RS of course ;-), 2) It is keyed so it is difficult to plug it in incorrectly. 3) The current rating is adequate for the common 50W VHF transceivers and UHF transceivers we are using today in emergency work. Note that last item... emergency work. This connector was recommended for ARES work... I'm not trying to debate the utility of HF in such things, but rather most of our efforts today in this field seem to revolve around VHF/UHF capabilities. The utility of having a STANDARD connector for such work can't be argued. The real trick was getting someone to choose a standard at the national level. ARRL finally did such after 5 years of pushing from lots of directions.

Hope this answers some of the questions anyway. It isn't necessarily the right answer for all applications..caveat emptor.

Steve KA6S
I

End of Info-Hams Digest V93 #1201
